PATENT ABSTRACTS OF JAPAN

(11)Publication number:

02-136848

(43)Date of publication of application: 25.05.1990

(51)Int.CI.

G03B 27/73

B41J 2/525

HO4N 9/79

(21)Application number: 63-291813

(71)Applicant: KONICA CORP

(22)Date of filing:

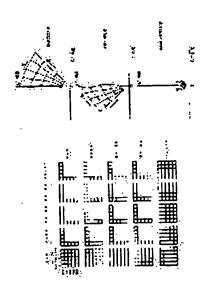
18.11.1988

(72)Inventor: KO HIROTETSU

(54) ESTIMATING METHOD FOR COLOR REPRODUCTION CHARACTERISTIC USING **COLOR PATCH**

(57)Abstract:

PURPOSE: To improve color reproduction characteristics by finding combination of Y, M, C and K where K reaches the maximum density value for each specific point of color coordinates given discretely, and estimating the density value of Y, M, C, and K corresponding to the color coordinates except the specific point from the colorimetry of a color patch formed by the discrete combination. CONSTITUTION: When the discrete point number (n) of Y, M, C, and K is selected as five, and the maximum quantizing level as 256, each point interval is 64 steps. By combining basic colors Y, M, C and K of these five points (0, 64, 128, 192, 255), actual recording is performed on a recording medium. For instance, when recording is carried out on a printing sheet with ink, color patches are obtained. The color patches are actually subjected to colorimetry, the colorimetric values are converted into the value of a colored system L*u*v* by using a conversion formula



regarding another colored system; moreover, they are plotted at every color patch. Then, a colorimetric value of each color patch corresponds to each lattice point. Therefore, the color reproduction characteristic can be improved.

LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection

Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]